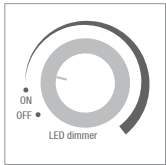


SK-ST9Q224V24-Ca

# DIM TO WARM

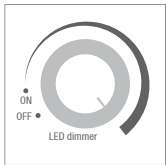
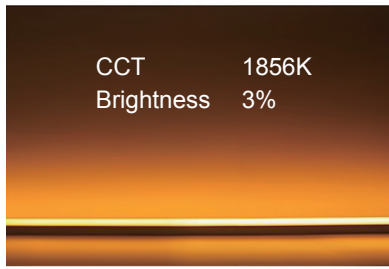
CCT gets warmer when brightness going down





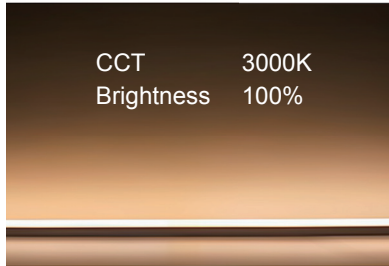
0/1-10V Dimmer

CCT 1856K  
Brightness 3%



0/1-10V Dimmer

CCT 3000K  
Brightness 100%

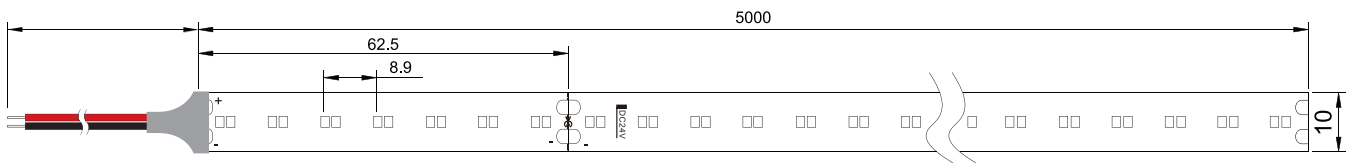


## Product Features

Dim to warm, CCT gets warmer when brightness going down.  
Easy application without control system, it can be used directly connected with silicon controlled, 0/1-10V, PWM constant voltage dimmable driver. Also compatible with DC24V PWM dimmer.



## Structure & Parameter



### Optical Parameter

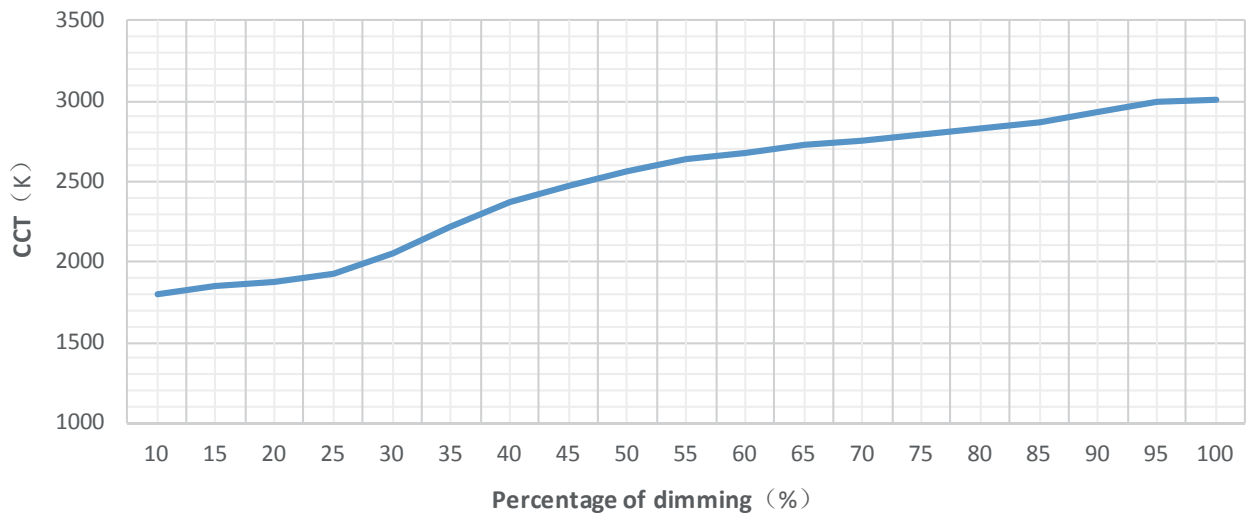
Model No	SK-ST9Q224V24-Ca
Input voltage	DC 24V
Power/m	18w
Max current / LED	20mA
CRI(Ra)	>90
Color temperature	1800 - 3000K
Lumen / m	1460LM

### Basic Parameter

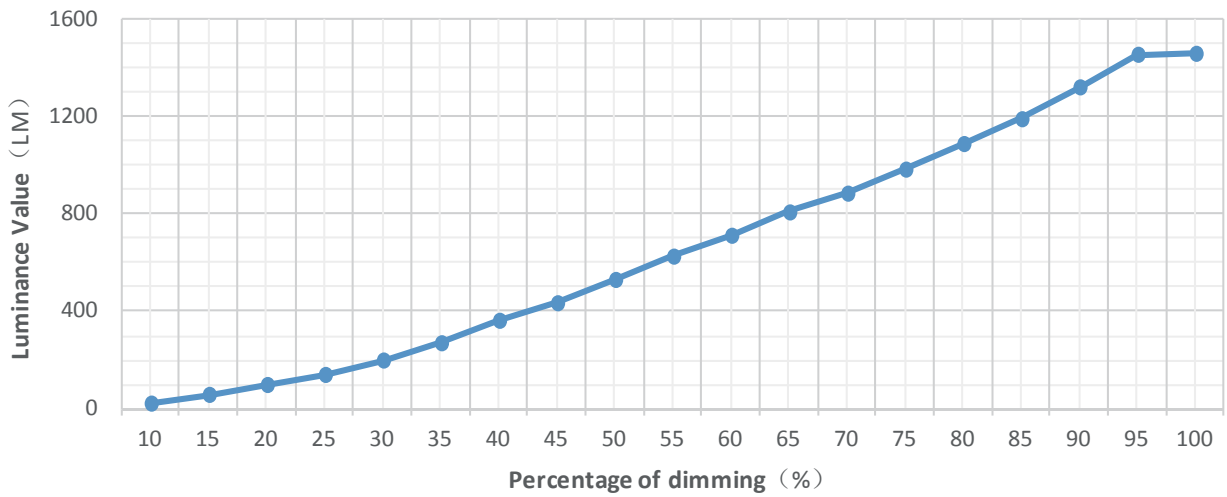
LED Q'ty/m	224/m
SMD Type	2216
Working hour	30000h
Warranty	3years
Working temperature	-20 °C ~ +45 °C
Minim cuttable length	62.5mm
PCB Width	10

The following curve which is based on 0–10V dimmable driver is for your reference only. The curve will be a little different with other dimmable drivers testing.

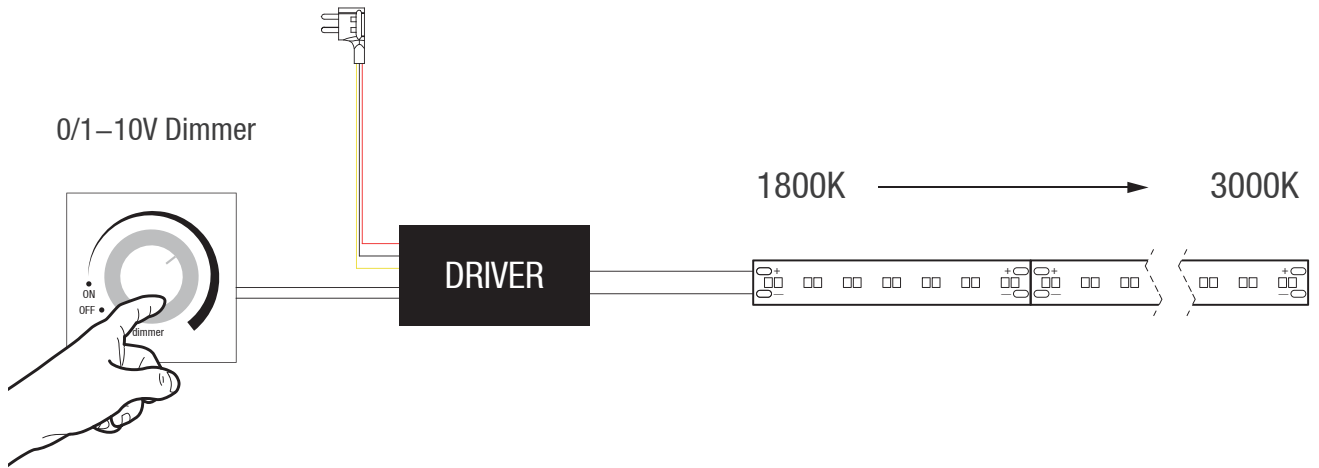
## CCT Curve



## Luminance Curve

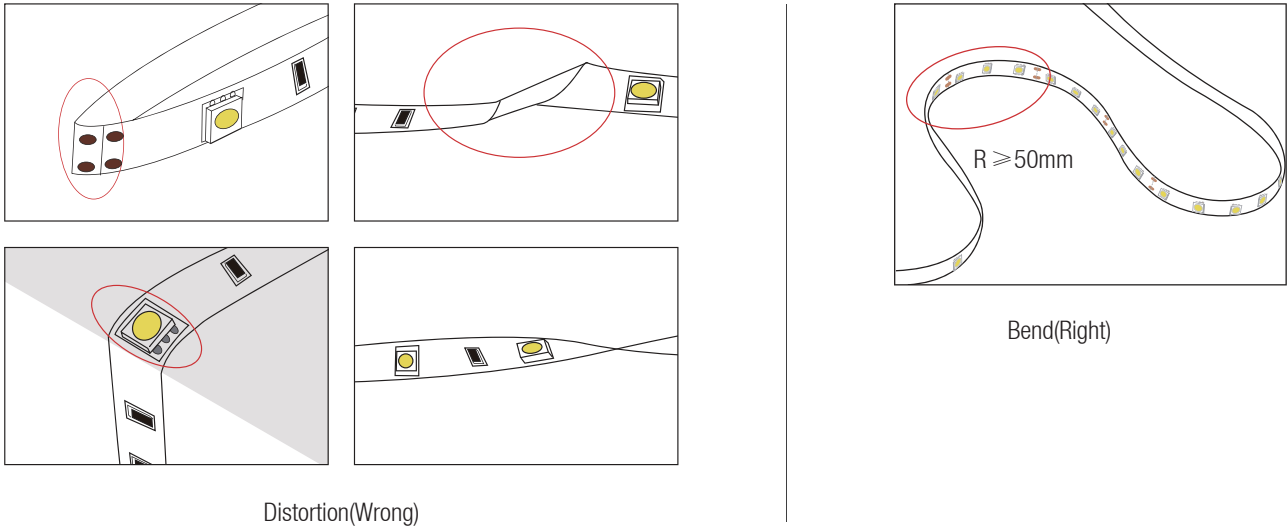


**Wiring Diagram**



## Cautions

When install the led strip,please note the installation technique.The led strip can be bent,but not distorted,as shown below.



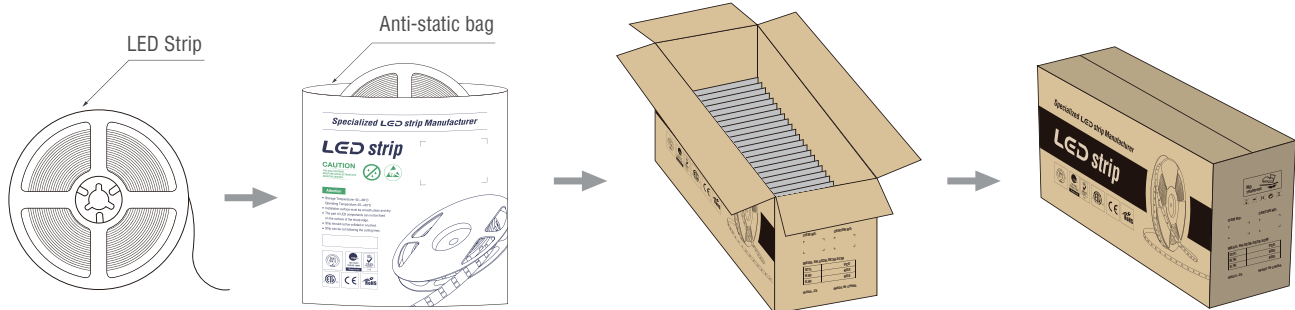
Distortion(Wrong)

Bend(Right)

➤ LED strips are low voltage products,you must use the power supply(transformer).Please don,t connect the led strip directly to the AC 110v or AC 220v,otherwise it will burn out the LED strips.

➤ Clean up the installation surface,it will ensure the reliability of the adhesive,The electrical connection process must be operated by a professional person.

## Package



## Certification

Certificate CN1730206

The responsibility of the client

**SHENZHEN SHINESKY OPTOELECTRONICS CO., LTD.**  
2F, H1 Building, Hongfa Hi-tech Park, Tangtou, Shiyuan Town, Baoan District, Shenzhen, Guangdong, P.R. China  
United Social Credit Code: 9144030761861534

has been assessed and certified as meeting the requirements of

**ISO 9001:2015**

For the following activities

**Design and manufacture of LED strip products**

Further certification regarding the scope of this certificate and the availability of ISO 9001:2015 requirements may be obtained by consulting the organization. This certificate is valid from 2 March 2017 until 1 March 2020 and remains valid subject to satisfactory surveillance audits. Recertification audit due a minimum of 60 days before the expiration date. Issue 1, Certified since 2 March 2017

Authorized by

SGS United Kingdom Ltd  
4 rue des Saules 92400 Courcouronnes, France  
The certification information can be verified on the web site of certification and accreditation administration of the United Kingdom at [www.ukas.com](http://www.ukas.com)

SGS 2021 0111 015  
Page 1 of 1

**Intertek**

**AUTHORIZATION TO MARK**

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple label models(s) identified on the companion page of the Listing Report. This document is the property of Intertek. Selling domains and is not translatable. The certification mark(s) may be applied only at the location of the Party Authorized To Apply Mark.

<b>Applicant:</b> Shenzhen Shinesky Optoelectronic Co., LTD 2F, H1 Building, Hongfa Hi-tech Park, Tangtou, Shiyuan Town, Baoan District, Shenzhen, Guangdong, China Contact: Shi Yu Phone: +86-755-29510255 FAX: +86-755-29510255 Email: mail@sked.com	<b>Manufacturer:</b> Shenzhen Shinesky Optoelectronic Co., LTD 2F, H1 Building, Hongfa Hi-tech Park, Tangtou, Shiyuan Town, Baoan District, Shenzhen, Guangdong, China Contact: Shi Yu Phone: +86-755-29510255 FAX: +86-755-29510255 Email: mail@sked.com
---	--

**Party Authorized To Apply Mark:** Same as Manufacturer  
**Report Issuing Office:** Intertek Testing Services Shanghai

Control Number: 2000098  
Authorized by: Thomas J. Lyons, Intertek Compliance Manager

This document supersedes all previous Authorizations to Mark for the noted Report Number.

Intertek Testing Services NA, Inc.  
541 East Appleton Street, Quincy, MA 01906  
Telephone: 800-345-3551 or 941-435-6667 Fax: 912-233-1872

Standard(s): Low Voltage Lighting Systems - UL 2108 (Issue: 2014/02/24)  
General Requirements for Luminaires - CSA C22.2 No. 010 (Issue: 1989/01/18) 1 (RC211), with Gen. Inf. 1 1997 (Gen. Inf. 2 1998)

Product: Low Voltage Festive LED Strips  
Model(s): SK-ET10V2-Z (where "X", "Y" and "Z" is any number, "Z" is a letter or the combination of a letter and a number)

ATM for Report 1503006489H-01  
Page 1 of 1  
ATM Issued 21-May-2016

**SGS**

**Verification Report** No. CANEC1706693702 Date: 17 May 2017 Page 1 of 14

**SHENZHEN SHINESKY OPTOELECTRONICS CO., LTD**  
2F, H1 BUILDING, HONGFA HI-TECH PARK, TANGTOU, SHIYUAN TOWN, BAOAN DISTRICT, SHENZHEN CITY 518108 P.R. CHINA

Sample Name: Flexible LED Strip  
SGS Job No.: CPT-020413 - G2  
Incoming Reference No.: 2.2  
Tested Basic Model No.: SK-ST5280V12  
(P.O. No.):  
Tested Extended Model No.: SK-ST3080V12; SK-ST3080V24; SK-ST3023V8  
(P.O. No.):  
Class Ref. Info.: See remark (6)  
Date of Sample Received: 19 Apr 2017  
Verification Period: 19 Apr 2017 - 17 May 2017  
Verification Requested: With reference to RoHS Directive 2015/863/EU amending 2011/65/EU  
Verification Method: Please refer to next page(s).  
Verification Result: Please refer to next page(s).  
Verification Conclusion: Based on the verification results of the submitted samples, the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) do not exceed the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Note: The test results are related only to the tested items. The report shall not be reproduced except in full without the written approval of the testing laboratory.

Signed for and on behalf of  
SGS-COTEC Standards Technical Services Co., Ltd. Guangzhou Branch

Jiang  
Jenny Liao  
Approved Signatory

**nqa global assurance**

This is to certify that the Environmental Management System of

**CLIENTS NAME SHINESKY OPTOELECTRONICS**  
ADDRESS: 2F, H1 Building, Hongfa Hi-tech Park, Tangtou, Shiyuan Town, Baoan District, Shenzhen City 518108 P.R. China

is applicable to

**SCOPE**  
Flexible LED Strip

has been assessed and registered by NQA against the provisions of

**ISO 14001:2004**

This registration is subject to the company maintaining an environmental management system to the above standard, which will be monitored by NQA. To maintain the validity of this certificate, the periodic surveillance shall be monitored by certification body. Please consult the website: [www.nqa.com.cn](http://www.nqa.com.cn)

Certificate Number: 1503006489H-01  
Date: 18 May 2017  
Valid Until: 18 May 2020

Head of NQA  
UKAS

**nqa global assurance**

This is to certify that the Environmental Management System of

**CLIENTS NAME SHINESKY OPTOELECTRONICS**  
ADDRESS: 2F, H1 Building, Hongfa Hi-tech Park, Tangtou, Shiyuan Town, Baoan District, Shenzhen City 518108 P.R. China

is applicable to

**SCOPE**  
Flexible LED Strip

has been assessed and registered by NQA against the provisions of

**OHSAS 18001:2007**

This registration is subject to the company maintaining an environmental management system to the above standard, which will be monitored by NQA. To maintain the validity of this certificate, the periodic surveillance shall be monitored by certification body. Please consult the website: [www.nqa.com.cn](http://www.nqa.com.cn)

Certificate Number: 1503006489H-01  
Date: 18 May 2017  
Valid Until: 18 May 2020

Head of NQA  
UKAS

**CERTIFICATE of Conformity**

**EC Council Directive 2014/30/EU Electromagnetic Compatibility**

Registration No.: AE 50378145 0001  
Report No.: 50080521 001

**Holder:** Shenzhen Shinesky Optoelectronics Co., LTD  
2F, H1 Building, Hongfa Hi-tech Park, Tangtou, Shiyuan Town, Baoan District, Shenzhen City 518108 P.R. China

**Product:** LED-Fixture (Flexible LED Strip)

**Identification:** Type Designation: SE-ST50V12-S (where "X", "Y" and "Z" are variables; refer to test report) 05515109 (S.A.)  
Remark: Refer to above-listed test report for details.

**Tested ACC. to:** EN 55015:2013  
EN 61347:2009

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the License Holder's disposal. This is to certify that the tested sample is in conformity with all provisions of Annex III of Council Directive 2014/30/EU. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to the a.m. Directive.

Certification Body  
Date: 16.05.2017  
TÜV Rheinland LGA Products GmbH · TÜV-Adresse: - 90431 Nürnberg

CE The CE marking may only be used if all relevant and effective EC Directives are complied with. CE

S H I N E S K Y

**Specialized  
LED strip  
Manufacturer**

**SHENZHEN SHINESKY OPTOELECTRONICS CO.,LTD**



Building 29, Shancheng Industrial Park, Shiyan Street, Bao'an District,  
Shenzhen, Guangdong, China.



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**OUR PHONE**

Tel: 0755-29516255



**OUR WEBSITE**

[www.strip-lights.com](http://www.strip-lights.com)